Bell'O simply...secure®

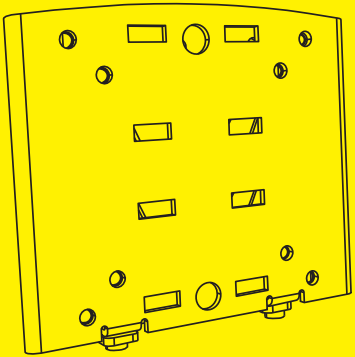
Quite possibly the world's easiest mounts to install!®

Installation Guide for TV Wall Mounting Kit

FOR DUMMIES®

For 8210 Mounting Bracket

A step-by-step guide for mounting your flat panel TV safely and easily!



English | Français | Español

Introduction

Congratulations on your decision to mount your TV with a TV Wall Mounting Kit For Dummies. The enclosed mounting bracket was engineered and designed by Bell'O International Corporation using the latest computer aided design and stress analysis software to ensure safety and durability when installed according to the instructions. It has been further tested and Listed by Underwriters Laboratories.

About This Manual

Mounting your TV on the wall can seem like an overwhelming task. This handy For Dummies® guide takes you through the process step-by-step to ensure the proper installation of your mount. Before starting this project, be sure to read the entire instruction manual and watch the included installation DVD for a complete demonstration. If at any time you are unclear about the directions and believe you need further assistance, contact the Bell'O® installation experts at 888-779-7781 from 9am – 5pm EST.

Icons Used in This Book

Don't be alarmed by the bomb in the icon. We just want to get your attention because making an error could be costly.

This is not really very technical stuff, just some details you need to really pay attention to.

Foolish Assumptions

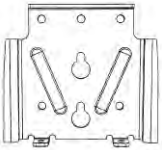
Although our easy-to-install mounts and instructions simplify the process, mounting your TV still requires great care. We assume you're someone who, at minimum, has done odd jobs around the house and has some basic tools. You don't need to be a master carpenter or electrician to install this mount. With that said, if at any time you feel that you are uncertain or uncomfortable with doing the installation yourself, don't hesitate to call on a handyman or professional contractor/installer.

Precautions!

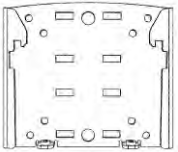
- **This mounting bracket was designed to be installed and utilized ONLY as specified in this manual. Bell'O International Corporation will not be responsible for failure to assemble as directed or for the improper assembly, use, or handling of this product.**
- **Improper installation of this product may cause damage or serious injury. Bell'O International Corporation cannot be liable for direct or indirect damage or injury caused by incorrect mounting, incorrect use, or incorrect assembly.**
- **If the mounting bracket will be attached to any structure other than those specified in this manual, only a licensed professional contractor/installer should perform this installation. The supporting structure must support, at minimum, four times the combined weight of the mounting bracket and TV. It is the responsibility and liability of the installer to ensure the suitability of the supporting structure.**
- **This product should NEVER be mounted to metal framing studs.**
- **Check carefully to ensure that there are no missing or damaged parts. Never use defective parts. If any parts are damaged or missing, call Bell'O International Corporation at 888-779-7781 and parts will be shipped directly to purchaser. Please contact Bell'O International Corp. before attempting to return products to the point of purchase.**
- **Specifications are subject to change without notice.**
- **The maximum weight of your television cannot exceed the maximum weight rating of your mount or any attached Bell'O® UL listed adapters sold separately, whichever is lower.**

NEVER exceed the maximum load capacity of 130 lbs (59 kg)

Parts Included in This Kit

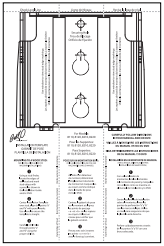


(WM) Wall Mount
Quantity: 1

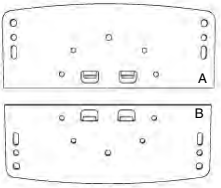


(MP) Monitor Plate
Quantity: 1

(IG) Installation Guide & DVD
Quantity: 1 each



(IT) Installation Template
Quantity: 1



(AP) 8190 Adapter Plates,
Quantity: 1A, 1B

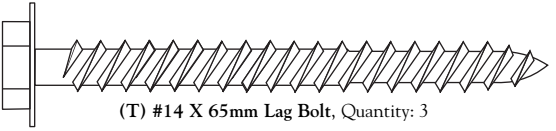
(F) M4/M5 Washer,
Quantity: 10

(AG) M5 x 6mm Adapter Screw, Quantity: 4

(A) M4 x 12mm TV Mounting Screw, Quantity: 6

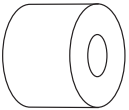
(B) M4 x 22mm TV Mounting Screw, Quantity: 6

(C) M4 x 30mm TV Mounting Screw, Quantity: 6

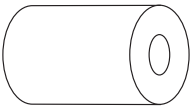


(T) #14 X 65mm Lag Bolt, Quantity: 3

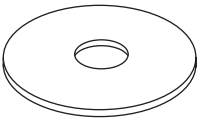
Parts Included in This Kit (continued)



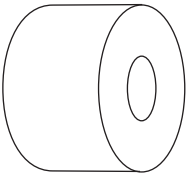
(D) M4/M5 Short Spacer, Quantity: 6



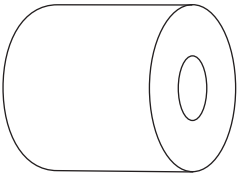
(E) M4/M5 Long Spacer, Quantity: 6



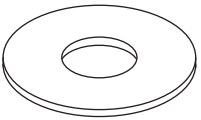
(R) M4/M5 Washer, Quantity: 4



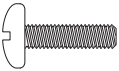
(Q) M6/M8 Short Spacer, Quantity: 4



(P) M6/M8 Long Spacer, Quantity: 4



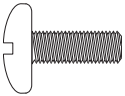
(S) M6/M8 Washer, Quantity: 4



(G) M5 x 12mm TV Mounting Screw, Quantity: 6

(H) M5 x 22mm TV Mounting Screw, Quantity: 6

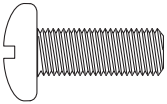
(I) M5 x 30mm TV Mounting Screw, Quantity: 6



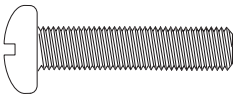
(J) M6 x 14mm TV Mounting Screw, Quantity: 4

(K) M6 x 25mm TV Mounting Screw, Quantity: 4

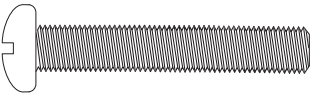
(L) M6 x 35mm TV Mounting Screw, Quantity: 4



(M) M8 x 20mm TV Mounting Screw, Quantity: 4

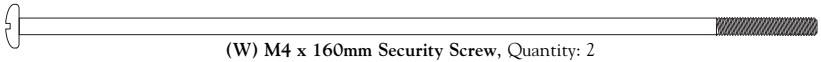


(N) M8 x 30mm TV Mounting Screw, Quantity: 4



(O) M8 x 40mm TV Mounting Screw, Quantity: 4

Parts Included in This Kit (continued)



(W) M4 x 160mm Security Screw, Quantity: 2

(V) Plastic Sleeve for 160mm Security Screw, Quantity: 2

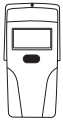
(X) M4 x 16mm Security Screw, Quantity: 2

(U) TOGGLER® brand AF8 ALLIGATOR® Anchor, Quantity: 3

TOGGLER® brand ALLIGATOR® SOLID-WALL ANCHORS are patented under one or more of US Patent numbers 5,161,296 and 5,938,385; and foreign counterparts thereof and of 4,752,170. Other patents pending. TOGGLER and ALLIGATOR are worldwide registered trademarks of Mechanical Plastics Corp.

Tools You Will Need

Phillips-head Screwdriver



Stud Finder

Drill

Drill Bit
For wood 5/32" (4mm)
For masonry 5/16" (8mm)

Pencil

Tape Measure

Masking Tape

Level

Getting ready to hang the TV

Select the location where you want to mount the TV. Clear the area of all furniture and electronics. You will need some elbow room to mount the TV. You also want to make sure that your electronic devices are unplugged, covered, and out of way because you are about to start drilling holes, and that is likely to make dust. You will also need to leave space that you can use to mount the Monitor Plate (MP) onto the TV.

Your TV may have come with a stand installed. If it did, it is okay to leave it on for now as long as it does not interfere with the monitor plate installation. If not, you need to determine the best way to hold or rest your TV safely so you can attach the monitor plate. Placing the TV face-down can damage the fragile screen or decorative frame. You may want to get a friend to assist you in holding the TV. If you are uncertain of the safest way to do this, call the TV manufacturer for advice.

Step 1: Attaching the Monitor Plate

Your TV owner's manual generally explains where the mounting location is on the TV. There are several typical mounting configurations for this size bracket. The mounting hole distances are measured in millimeters per the VESA (Video Electronics Standards Association) specifications. Table 1 lists the inch and millimeter equivalents just in case you have to measure them.

Use a tape measure to check the distances between the horizontal and vertical mounting holes. If your mounting hole configuration is a Standard for this mount, as listed in Table 1, you're ready for the next step. If your hole configuration requires the included For Dummies 8190 Adapter (AP), please refer to the instructions on page 9 for connecting the adapter to the monitor plate. For other UL Listed adapters that may be used with this mount (sold separately), please visit www.BellO.com.

Table 1: Standard Monitor Mounting Configurations

	Width (mm)	Height (mm)	Width (mm)	Height (inch)	Screw Size
Standard	75	75	3.0	3.0	4mm
Standard	100	100	3.9	3.9	4mm
with Adapter 8190 (AP)	200	100	7.9	3.9	6mm
with Adapter 8190 (AP)	200	150	7.9	5.9	6mm
with Adapter 8190 (AP)	200	200	7.9	7.9	6mm or 8mm

Who is VESA?

The Video Electronics Standards Association is an international nonprofit organization representing hardware, software, PC, display, and component manufacturers, cable and telephone companies, and service providers. VESA supports and sets industry-wide interface standards for the PC, workstation, and computing environments.

Choosing which screws to use

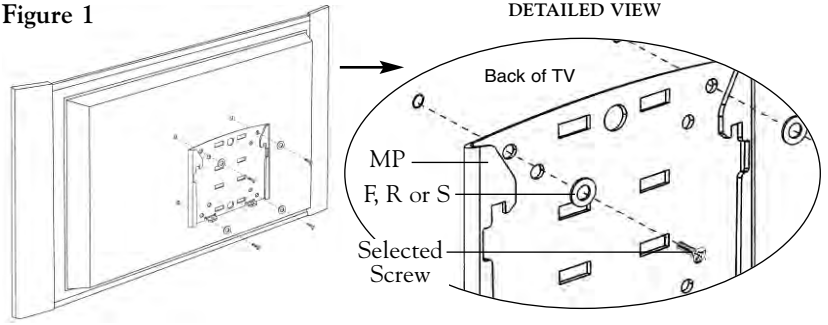
You're probably wondering why so many screws came with this mount. The screw sizes follow the standards set up by VESA for each mounting configuration. Before beginning, you may need to test several of the screws in your hardware kit to find the correct size.

If you will be utilizing the 8190 Adapter Plates (AP) for larger mounting configurations, see page 9 before proceeding.

Most monitors have the mounting holes flush with the back of the monitor. If yours is like this, attach the monitor plate using the correct TV Mounting Screws as shown in Figure 1. Make sure that the appropriate Washers (F, R or S) are placed *between* the screw and the Monitor Plate (MP). *Don't place the washers between the monitor plate and the TV.*

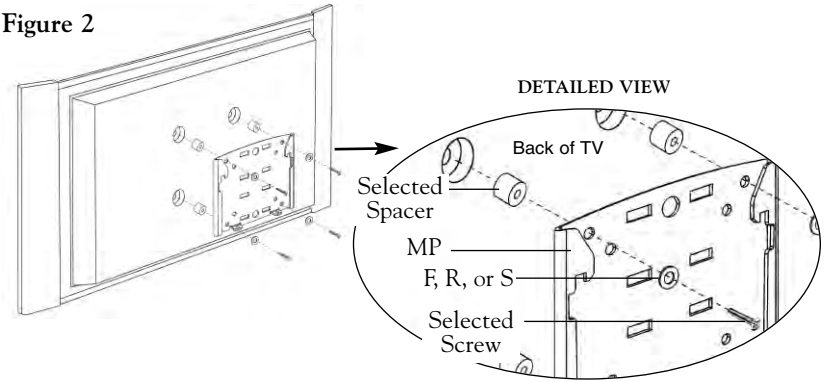
Don't use screws that are too long because they will not fully seat in the holes and can permanently damage the TV or mounting holes and cause the monitor to come loose.

Figure 1



Use spacers in situations when the arms do not fit firmly against the back of the television, such as when the back of the television is curved, contains larger recessed mounting holes, or some other obstruction is in the way. If your TV requires use of a spacer, the spacer you select must stick out past the back of the TV to ensure proper mounting. You *don't* want the spacer to be loose. The Monitor Plate (MP) needs to rest securely on the spacers.

Figure 2

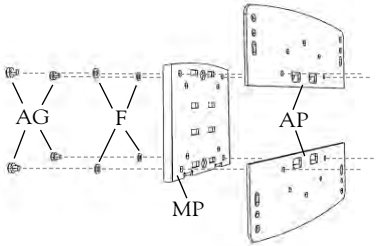


Using the 8190 Adapter Plates

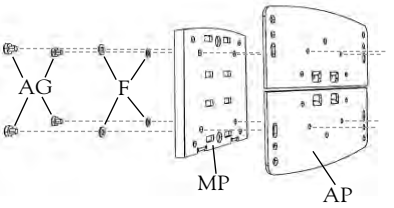
Some TVs have larger mounting configurations (200 x 200, 200 x 150, or 200 x 100), and the Monitor Plate (MP) alone cannot reach these holes. If this is the case for your TV, you need to use the included 8190 Adapter Plates (AP).

Figure 3

For 200x200 & 200x150 mounting configurations:



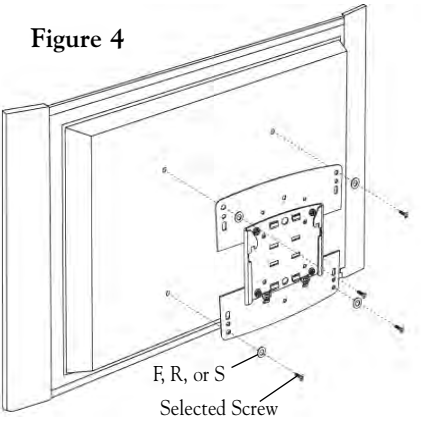
For 200x100 mounting configuration:



Attach the Adapter Plates (AP) to the Monitor Plate (MP) using four small M5 Washers (F) and four M5 x 6mm Screws (AG) as shown in Figure 3. For TVs that have a larger mounting configuration, insert the screw into the outer holes. For smaller configurations use the inner holes. *[See previous page and Fig. 4 for mounting to the TV].*

The 200x100 configuration typically uses six TV mounting screws for this type of installation. All other configurations typically use four TV mounting screws.

Figure 4

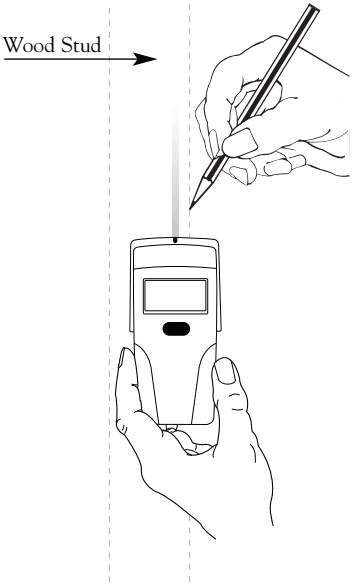


Step 2: Securing the Wall Mount

Finding a wood stud to mount to

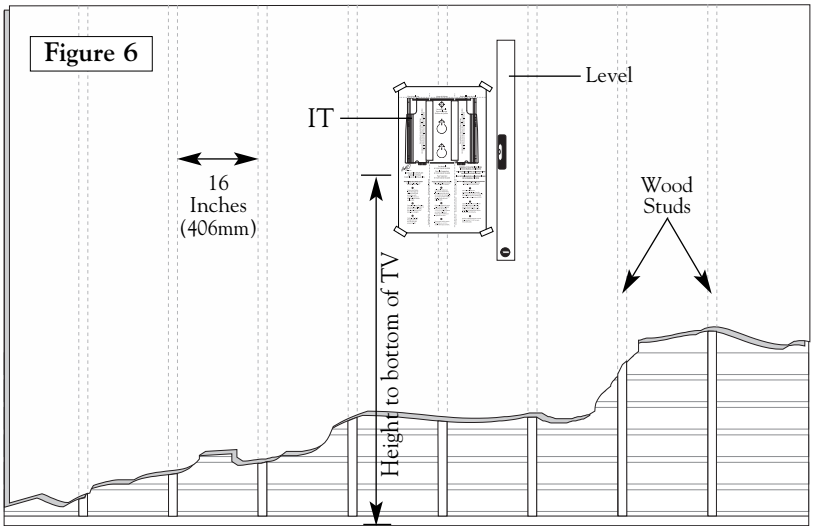
Using a stud finder, determine the exact location of the stud to which you want to attach the wall mount. Using an electronic stud finder works best because it gives you an indication of where the right and left sides of the stud are. After you determine the stud location, mark the right and left side of the stud as shown in Figure 5. These markings help you determine the center location of the stud for proper drilling. Line up the Installation Template (IT) with your pencil markings and tape it into place.

Figure 5



Determining the location of the TV

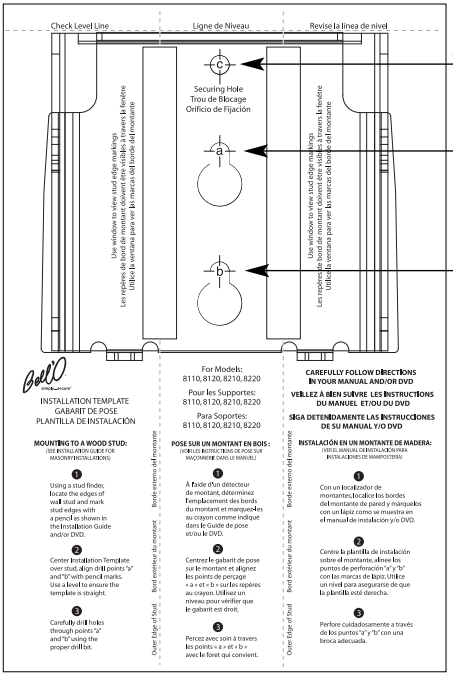
After the Monitor Plate (MP) has been mounted to the TV, you can now measure the distance from the bracket holes to the top and bottom of the TV to help determine the desired height of the TV on your wall. The reason that you need to take these measurements is because many monitors do not have the mounting location centered on the back of the monitor. To determine the exact height you want to mount the brackets, use the convenient Installation Template (IT) rather than holding the TV in place while you do all this measuring. Always make sure to use a level when placing the template. Measure from the floor up as shown in Figure 6, and using a pencil, make small marks on the wall to help you determine the desired TV height.



Using the Installation Template

The Installation Template (IT) included in this kit helps you select the correct positions for drilling the holes for the TV mounting. Figure 7 shows what the holes on the template represent.

Figure 7


Check Level Line
Ligne de Niveau
Revise la línea de nivel
SECURING HOLE "c"
DRILL HOLE "a"
DRILL HOLE "b"
c
Securing Hole
Trou de Blocage
Orificio de Fijación
a
b
Use window to view stud edge markings
Les rebords du montant doivent être visibles à travers la fenêtre
Utilice la ventana para ver las marcas del borde del montante
For Models:
8110, 8120, 8210, 8220
Pour les Supportes:
8110, 8120, 8210, 8220
Para Soportes:
8110, 8120, 8210, 8220
INSTALLATION TEMPLATE
GABARIT DE POSE
PLANTILLA DE INSTALACIÓN
CAREFULLY FOLLOW DIRECTIONS IN YOUR MANUAL AND/OR DVD
VEILLEZ À BIEN SUIVRE LES INSTRUCTIONS DU MANUEL ET/OU DU DVD
SIGA DETENIDAMENTE LAS INSTRUCCIONES DE SU MANUAL Y/O DVD
MOUNTING TO A WOOD STUD:
(SEE INSTALLATION GUIDE FOR MASONRY INSTALLATIONS)
1 Using a stud finder, locate the edges of wall stud and mark stud edges with a pencil as shown in the Installation Guide and/or DVD.
2 Center Installation Template over stud, align drill points "a" and "b" with pencil marks. Use a level to ensure the template is straight.
3 Carefully drill holes through points "a" and "b" using the proper drill bit.
Outer Edge of Stud
POSE SUR UN MONTANT EN BOIS :
(VOIR LES INSTRUCTIONS DE POSE SUR MAÇONNERIE DANS LE MANUEL)
Bord extérieur du montant
1 À l'aide d'un détecteur de montant, déterminez l'emplacement des bords du montant et marquez-les au crayon comme indiqué dans le Guide de pose et/ou le DVD.
2 Centrez le gabarit de pose sur le montant et alignez les points de perçage « a » et « b » sur les repères au crayon. Utilisez un niveau pour vérifier que le gabarit est droit.
3 Percez avec soin à travers les points « a » et « b » avec le foret qui convient.
Outer Edge of Stud
INSTALACIÓN EN UN MONTANTE DE MADERA:
(VEA EL MANUAL DE INSTALACIÓN PARA INSTALACIONES DE MAMPOSTERÍA)
Borde exterior del montante
1 Con un localizador de montantes, localice los bordes del montante de pared y márquelos con un lápiz como se muestra en el manual de instalación y/o DVD.
2 Centre la plantilla de instalación sobre el montante, alinee los puntos de perforación "a" y "b" con las marcas de lápiz. Utilice un nivel para asegurarse de que la plantilla está derecha.
3 Perfore cuidadosamente a través de los puntos "a" y "b" con una broca adecuada.
Borde exterior del montante

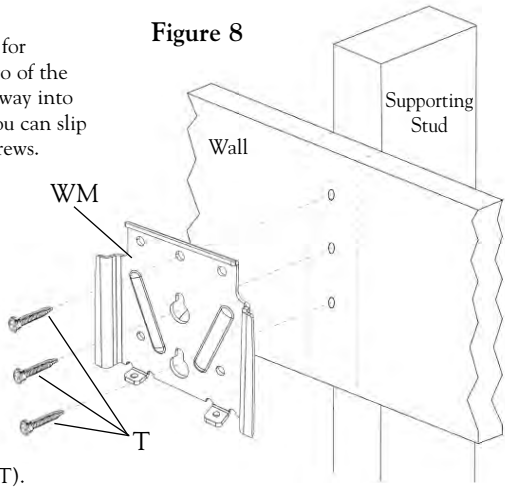
You must be careful to accurately drill the holes or else the screws may not line up with the holes in your wall mount.

When mounting to a wood stud

Line up the Installation Template (IT) with the stud markings to ensure the proper location for your drill holes. After you have the position selected, tape the template in place securely on the wall with masking tape so that you don't damage the wall surface. Use a level to double check that the screw holes will line up vertically as shown in Figure 8. Drill two holes 2.5" (64mm) deep using a 5/32" (or 4mm) size drill bit in the "a" and "b" locations noted on the Installation Template.

When you have prepared the holes for mounting the wall mount, screw two of the Lag Bolts (T) three-quarters of the way into the holes. Leave enough room so you can slip the Wall Mount (WM) over the screws. Install the wall mount as shown without tightening the screws completely.

Figure 8



After the wall mount is on the wall, you can install the top lag bolt. First, use a level to make sure the mount is vertically level. Using a drill and the 5/32" (or 4mm) size drill bit, drill a third hole 2.5" (64mm) deep through the *securing hole* (see Figure 7), and then insert the final Lag Bolt (T). Leave some "wiggle" room so you can make any fine adjustments, if necessary. After making sure the wall mount is level, tighten all of the lag bolts completely.

Tighten mounting screws so that the wall plate is firmly attached to the wall, but don't overtighten! The mounting screws and/or the supporting surface can become damaged, which greatly reduces their holding ability. Final tightening of the mounting screws should always be done by hand, with a Phillips-head screwdriver or ratchet wrench.

When mounting to solid concrete, bricks, or cinder block

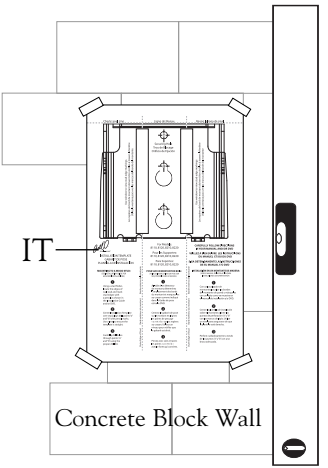
This kit includes the TOGGLER® brand ALLIGATOR® Anchors (U) for mounting in concrete walls, bricks, or cinder block. These patented anchors are the finest solid wall anchors on the market and offer excellent holding ability when properly installed.

After you have determined your desired TV location, tape the Installation Template (IT) in place securely on the wall with masking tape.

Use a level to double check that the screw holes line up vertically as shown in Figure 9.

Carefully drill two holes using a 5/16" (or 8mm) masonry drill bit in the "a" and "b" locations noted on the Installation Template. *Each hole should be at least 3" (76mm) deep.*

Figure 9

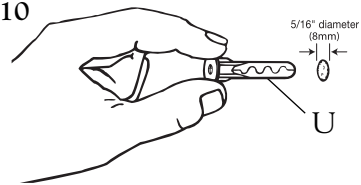


Do not drill into mortar joints! Mortar joints are in between the bricks where the cement is. These joints are typically not strong enough to hold heavy loads. You need to drill the holes at least one inch from the joint to provide adequate strength. Use a standard drill with a new masonry drill bit to drill the holes. Do not use a hammer drill because it can damage the hole or break out the back of the concrete wall which will not give adequate support to the anchor.

Because drilling an accurate and clean hole is essential to securing your mount, be sure to use a *new* drill bit. An old drill bit can not only make an uneven hole, it can also break out the back of the concrete block which can diminish the holding ability of the anchor.

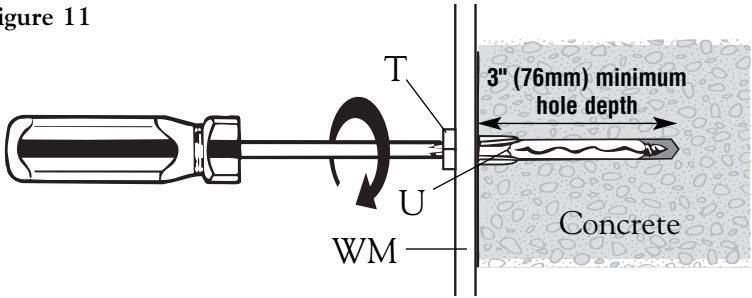
After the holes are drilled, remove the template and place the ALLIGATOR® Anchor (U) into the concrete wall as shown in Figure 10.

Figure 10



After you have prepared the two holes for mounting the wall mount, screw the two *bottom* Lag Bolts (T) three-quarters of the way into the holes. Leave enough room so that you can slip the wall mount over the screws. Install the Wall Mount (WM) as shown in Figures 8 and 11 *without tightening the screws completely*.

Figure 11



After the Wall Mount (WM) is on the wall, you can install the top Lag Bolt (T). First, use a level to make sure the mount is vertically level. Then mark the center of the top securing hole "c" (see Figure 7) with a pencil, and remove the wall mount from the wall. Using a drill and the 5/16" (or 8mm) size drill bit, drill at least a 3" (76mm) deep hole through the top securing hole mark. Next, insert the third ALLIGATOR® Anchor (U) into the top securing hole. You can now reinstall the wall mount and place the lag bolt into the securing hole "c". Leave some "wiggle room" so you can make any fine adjustments if necessary. Finally, tighten all of the lag bolts completely.

Step 3: Mounting the TV

Preparing the security screws

You need to mount the Monitor Plate (MP) onto the Wall Mount (WM). To ensure it does not come off, you use two screws to secure the parts together. You have two choices of screw sizes. For TVs under 20" (508mm) you can use the shorter 16mm Security Screws (X). If your TV is larger than 20" (508mm) you need to use the longer 160mm Security Screws (W) with the Plastic Sleeves (V). Using the longer screws makes it easier to find and turn the screw with a screwdriver after you have installed the TV.

After you have selected the screw length (and spacer for long screw), place the screws in the wall mount as shown in Figure 12A or 12B, depending on the size of your TV. Make sure the screw is secure but does not come past the metal as shown.

Figure 12A
(For TVs under 20")

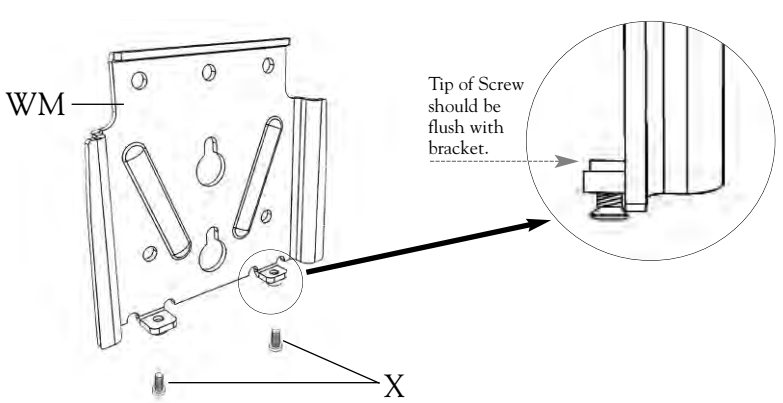
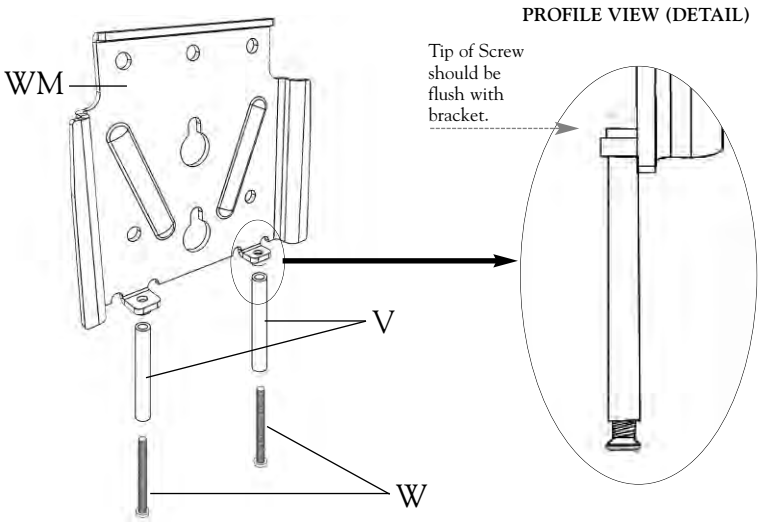


Figure 12B
(For TVs over 20")



Don't forget those wires!

If your audio, video, and power cables will not be accessible after you mount the TV, you need to make those connections now. Before doing this, however, make sure all TV and component power cords are ***not*** plugged into any electrical outlets and your audio and video equipment is turned off. Make sure you leave enough slack so you can install the mount without any interference.

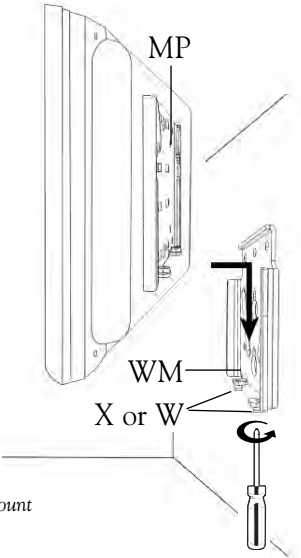
Mounting the TV

When you're ready to put the Monitor Plate (MP) onto the Wall Mount (WM), get a friend or an assistant to help you lift the TV and guide the Monitor Plate onto the Wall Mount as shown in Figure 13.

After you're confident it is properly installed and the TV is securely mounted to the wall, you need to tighten the Security Screws (X or W) using a Phillips-head screwdriver as shown.

You really need two people for this part of the task: One person can hold the monitor steady while the other turns the security screws into the wall plate. You may need to align the monitor plate and the wall plate to ensure proper insertion of the security screws. After the TV is installed, *carefully* try to lift it off to make sure it is secure. If it is correctly secured, the TV should not move.

Figure 13



If you need to remove the TV

Flat screen TVs are very heavy and extremely fragile. Exercise caution when removing the display from the mount to avoid equipment damage or personal injury.

If your cables are accessible, disconnect all power and A/V cables before removing the display from the Wall Mount (WM). If cables are not accessible, have an assistant remove the cables as soon as the TV is lifted off the wall mount. Also have the assisstant hold the TV as you loosen the Security Screws (X or W) from underneath using a Phillips-head screwdriver. Lift the TV straight up until it becomes free from the wall mount.

Visit www.BellO.com for more information on home theater furniture.

Visit www.Dummies.com for other great products, books, and free eTips!

Visit www.Paladin-Tools.com for information on the Cable & Satellite Installation Kit For Dummies.

Limited Lifetime Warranty

***[Please note:** You are responsible to inspect your mount thoroughly for missing or defective parts immediately after opening the box. To receive replacement or missing part(s) under this Warranty, visit our website at www.bello.com or call our Customer Service Department at 1-888-779-7781. Please have the model number, date code, part number(s) and your sales receipt or other proof of purchase available for reference. We will ship you any necessary replacement parts without charge at our expense.]*

This Bell'O International, Corp. ("Bell'O" or "we") mounting product SKU # 8210 or 8190 ("Product") is warranted for the life of the Product only to the original purchaser and limited to the original installation ("Warranty"). Re-installation of the Product in a different location or with a different monitor or peripheral voids this Warranty. This Warranty is only valid in the United States of America.

We warrant to the original purchaser that the Product and all parts and components thereof are free of defects in material and workmanship. "Defects", as used in this Warranty, is defined as any imperfections that impair the use of the Product.

Our Warranty is expressly limited to replacement of mount parts and components. Bell'O will replace any part listed on the enclosed mount parts sheet that is defective in material or workmanship only to the original owner within the limitations stated herein.

This Warranty applies only under conditions of normal use. The Product is not intended for outdoor use. This Warranty does not cover: 1) defects caused by improper installation or disassembly; 2) defects caused by shipping (claims for damage during transit to you should be made immediately by you directly to the transportation company); 3) defects occurring after purchase due to modification, intentional damage, accident, misuse, abuse, negligence, natural disaster, abnormal mechanical or environmental conditions, unauthorized disassembly, repair, modification or exposure to the elements; 4) cosmetic damage and 5) labor or assembly costs.

This Warranty does not apply if the Product has been repackaged or resold as second-hand.

There are no warranties, express or implied, including without limitation merchantability or fitness for particular use, except as (i) contained herein or (ii) required by applicable law in the state whose law governs. The substantive and procedural law of the State of New Jersey shall govern this Warranty, absent controlling law imposing the law of another state in lieu thereof as governing law. New Jersey Superior Court or the United States District Court for the District of New Jersey, as appropriate, shall retain exclusive jurisdiction over enforcement of this Warranty and all subject matter hereof. All warranties of whatsoever derivation shall be limited to the terms set forth herein, unless otherwise required by applicable law.

You shall not rely on manufacturers', employees' or representatives' statements, whether oral or written, which neither modify this Warranty nor are they part of either your purchase contract or this Warranty.

Except as provided herein, Bell'O has no liability or responsibility to you or any other person or entity with respect to any liability, loss or damage caused directly or indirectly by use of the Product, including, but not limited to, any incidental or consequential damages. Some states do not allow limitation on how long an implied warranty can last or the exclusion or limitation of incidental or consequential damages. Therefore, the above limitations and exclusion may not apply to you.

This Warranty covers only repair or replacement for this mount as stated above.

This Warranty gives you specific legal rights. You may also have other rights, which vary from state to state.